INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/22305

Box No. I Nu		Nucleotide and/or amino acid sequence(s) (Continuation of item l.b of the first sheet)			
 With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of: type of material 					
	D	a sequence listing			
		table(s) related to the sequence listing			
b.	format	of material			
		on paper			
		in electronic form			
c.	c. time of filing/furnishing				
		contained in the international application as filed			
,		filed together with the international application in electronic form			
		furnished subsequently to this Authority for the purposes of search			
2.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.				
3. Additional comments:					



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/22305

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) : F03O 4/02; E21B 7/18				
USCL : 175/66-67; 60/641.2,641.3				
According to International Patent Classification (IPC) or to both national classification and IPC B. FIBLDS SEARCHED				
	lowed by classification symbols)			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 175/66-67; 60/641.2,641.3				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
	here appropriate, of the relevant passages	Relevant to claim No.		
X US 5,685,362 A (Brown) 11 November 1997	(11. 11.1997), Fig. 1.	1,4-9		
Y	US 3,231, 031A (Cleary) 25 January 1966 (25.01.1966), col. 1, lines 48-54.			
X US 3,231, 031A (Cleary) 25 January 1966 (23	5.01.1900), coi. 1, inics 48-54.	20-24,54,-55		
Y		25-36,38,41- 44,46,49,52,56,5750		
X US 3,3975,912 A (Greene) 24 August 1976	(24.08. 1976), Fig. 34.	58		
Y US 3,375, 886 A (Goodwin et al.) 02 April 1	1968 (02.04.1968), col. 1, line 69-col. 2, line	2-3		
4). US 4,200, 152? A (Foster et al.) 29 April 1980	4). US 4,200, 152? A (Foster et al.) 29 April 1980 (29.04.1980), (fig. 1).			
		,		
Further documents are listed in the continuation of Box	x C. See patent <u>family</u> annex.	-		
Special categories of cited documents:	"T" later document published after the inte date and not in conflict with the applic	ernational filing date or priority		
"A" document defining the general state of the art which is not considered				
of particular relevance "E" carlier application or patent published on or after the international filit date	ng considered novel or cannot be considered	document of particular relevance; the elaimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone		
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"O" document referring to an oral disclosure, use, exhibition or other mea	document member of the same patent	family		
"P" document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search Date of mailing of the international search report				
Date of the actual completion of the international search	!			
20 January 2006 (20.01.2006)	Authorized officer	<u>/II</u>		
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